

WEST Search History

DATE: Tuesday, May 31, 2005

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L32	L31 and ((without or "no" or "off" or "non") with (phase with encod\$4))	19
<input type="checkbox"/>	L31	L30 and ((after or following or post) with (data or echo or signal)with (acquir\$4 or post or acquisition\$4))	46
<input type="checkbox"/>	L30	l26 and ((amplitude or peak) with (modulat\$4 or shift\$4 or drift\$4 or delay\$3 or off-center\$4 or "off center\$4"))	84
<input type="checkbox"/>	L29	L28 and ((after or following or post) with (acquir\$4 or post or acquisition\$4))	26
<input type="checkbox"/>	L28	L27 and ((reference or calibrat\$4 or precondition\$3 or prescan\$4 or prepara\$4 or pre-scan\$4 or pre-pulse or preliminary or initial\$2) with (data or raw or image or echo or signal or k-space or kspace or "k space" or "kx" or "ky" or "kz"))	40
<input type="checkbox"/>	L27	L26 and ((without or "no" or "off" or "non") with (phase with encod\$4))	45
<input type="checkbox"/>	L26	L25 and (phase with encod\$4)	104
<input type="checkbox"/>	L25	L24 and (fse or fast or (spin with echo) or EPI or flash)	393
<input type="checkbox"/>	L24	L23 and ((acquir\$4 or post or acquisition\$4) with (data or echo or signal))	568
<input type="checkbox"/>	L23	L22 and (acquir\$4 or post or acquisition\$4)	791
<input type="checkbox"/>	L22	L9 and ((correct\$4 or compensat\$4 or adjust\$4 or fix\$3 or modify or modif\$3 or chang\$3 or shift\$4 or drift\$3 or offset\$4 or delay\$3 or echo\$3) with (amplitude or magnitude or peak) with (modulat\$4 or shift\$4 or drift\$4 or delay\$3 or off-center\$4 or "off center\$4"))	1013
<input type="checkbox"/>	L21	(5451876 or 4999581 or 4857846)	54
<input type="checkbox"/>	L20	L18 and ((combin\$3 or "multi" or coil) with (image or reconstruct\$4))	12
<input type="checkbox"/>	L19	L18 and ((combin\$3 or (multi with coil)) with (image or reconstruct\$4))	9
<input type="checkbox"/>	L18	L17 and ((without or "no" or "off" or "non") with (phase with encod\$4))	19
<input type="checkbox"/>	L17	L16 and ((phased or phase) with (array or plurality or multi or multiple or "more than one" or dual or "at least two" or plural) with (receiv\$3 or detect\$3 or sens\$3 or reception or sensitiv\$5 or coil))	36
<input type="checkbox"/>	L16	L15 and (gradient)	69
<input type="checkbox"/>	L15	L14 and (phase with encod\$4)	75
<input type="checkbox"/>	L14	L13 and ((reference or calibrat\$4 or precondition\$3 or prescan\$4 or prepara\$4 or pre-scan\$4 or pre-pulse or preliminary or initial\$2) with (data or raw or image or k-space or kspace or "k space" or "kx" or "ky" or "kz"))	384
<input type="checkbox"/>	L13	L12 and ((array or plurality or multi or multiple or "more than one" or dual or "at least two" or plural) with (receiv\$3 or detect\$3 or sens\$3 or reception or sensitiv\$5 or coil) with (independent\$2 or individual\$2 or separat\$2))	720

<input type="checkbox"/>	L12	L9 and ((correct\$4 or compensat\$4 or adjust\$4 or fix\$3 or modify or modif\$3 or chang\$3 or shift\$4 or drift\$3 or offset\$4 or delay\$3 or echo\$3) with (amplitude or magnitude or peak))	2347
<input type="checkbox"/>	L11	L9 and ((correct\$4 or compensat\$4 or adjust\$4 or fix\$3 or modify or modif\$3 or chang\$3 or shift\$4 or drift\$3 or offset\$4 or delay\$3 or echo\$3) with (amplitude or magnitude or peak))	2347
<input type="checkbox"/>	L10	L9 and ((correct\$4 or compensat\$4 or adjust\$4 or fix\$3 or modify or modif\$3 or chang\$3 or shift\$4 or drift\$3 or offset\$4 or delay\$3) with (amplitude or magnitude or peak))	2256
<input type="checkbox"/>	L9	L8 and (correct\$4 or compensat\$4 or adjust\$4 or fix\$3 or modify or modif\$3 or chang\$3)	5820
<input type="checkbox"/>	L8	L6 and ((receiv\$3 or detect\$3 or sens\$3 or reception or sensitiv\$5 or coil) with (independent\$2 or individual\$2 or separat\$2))	5895
<input type="checkbox"/>	L7	L6 and ((array or plurality or multi or multiple or "more than one" or dual or "at least two" or plural) with (receiv\$3 or detect\$3 or sens\$3 or reception or sensitiv\$5 or coil) with (independent\$2 or individual\$2 or separat\$2))	1765
<input type="checkbox"/>	L6	L5 and ((array or plurality or multi or multiple or "more than one" or dual or "at least two" or plural) with (receiv\$3 or detect\$3 or sens\$3 or reception or sensitiv\$5 or coil))	10683
<input type="checkbox"/>	L5	L4 and (array or plurality or multi or multiple or "more than one" or dual or "at least two")	30898
<input type="checkbox"/>	L4	L3 and (receiv\$3 or detect\$3 or sens\$3 or reception)	41087
<input type="checkbox"/>	L3	L2 and (independent\$2 or individual\$2 or separat\$2)	55087
<input type="checkbox"/>	L2	L1 and (amplitude or magnitude or peak)	63045
<input type="checkbox"/>	L1	((magnetic adj resonance) or MRI or NMR)	203880

END OF SEARCH HISTORY

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 19 of 19 returned.

☐ 1. Document ID: US 20050001616 A1

L32: Entry 1 of 19

File: PGPB

Jan 6, 2005

PGPUB-DOCUMENT-NUMBER: 20050001616
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050001616 A1

TITLE: Diffusion weighted multiple spin echo (rare) sequence with periodically amplitude-modulated crusher gradients

PUBLICATION-DATE: January 6, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Jenniskens, Hans Gerard	Eindhoven		NL	
Van Yperen, Gerrit Hendrik	Eindhoven		NL	
Groen, Johannes Petrus	Eindhoven		NL	

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	MMO	Drawings
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☐ 2. Document ID: US 20040077090 A1

L32: Entry 2 of 19

File: PGPB

Apr 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040077090
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040077090 A1

TITLE: Whole cell engineering by mutagenizing a substantial portion of a starting genome, combining mutations, and optionally repeating

PUBLICATION-DATE: April 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Short, Jay M.	Rancho Santa Fe	CA	US	

US-CL-CURRENT: 435/471; 435/252.3, 435/254.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	MMR	Drawings
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☐ 3. Document ID: US 20040044280 A1

L32: Entry 3 of 19

File: PGPB

Mar 4, 2004

PGPUB-DOCUMENT-NUMBER: 20040044280

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040044280 A1

TITLE: Methods & apparatus for magnetic resonance imaging

PUBLICATION-DATE: March 4, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Paley, Martyn	Keighly		GB	
Lee, Kuan	Sheffield		GB	

US-CL-CURRENT: 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	MMR	Drawings
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☐ 4. Document ID: US 20030216636 A1

L32: Entry 4 of 19

File: PGPB

Nov 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030216636

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030216636 A1

TITLE: Methods and apparatus for magnetic resonance imaging

PUBLICATION-DATE: November 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Paley, Martyn	West Yorkshire		GB	
Lee, Kuan	South Yorkshire		GB	

US-CL-CURRENT: 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	MMR	Drawings
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☐ 5. Document ID: US 20030052677 A1

L32: Entry 5 of 19

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030052677

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030052677 A1

TITLE: Method and apparatus for high resolution ex-situ NMR spectroscopy

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Pines, Alexander	Berkeley	CA	US	
Meriles, Carlos A.	El Cerrito	CA	US	
Heise, Henrike	Goettingen	CA	DE	
Sakellariou, Dimitrios	Oakland	CA	US	
Moule, Adam	Berkeley		US	

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	MM	Drawings
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☐ 6. Document ID: US 20020167315 A1

L32: Entry 6 of 19

File: PGPB

Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020167315
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020167315 A1

TITLE: Ghost artifact cancellation using phased array processing

PUBLICATION-DATE: November 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kellman, Peter	Bethesda	MD	US	
McVeigh, Elliot R.	Phoenix	MD	US	

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	MM	Drawings
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☐ 7. Document ID: US 6882150 B2

L32: Entry 7 of 19

File: USPT

Apr 19, 2005

US-PAT-NO: 6882150
DOCUMENT-IDENTIFIER: US 6882150 B2

TITLE: Diffusion weighted multiple spin echo (rare) sequence with periodically amplitude-modulated crusher gradients

DATE-ISSUED: April 19, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jenniskens; Hans Gerard	Eindhoven			NL
Van Yperen; Gerrit Hendrik	Eindhoven			NL
Groen; Johannes Petrus	Eindhoven			NL

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIG	Draw D
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☐ 8. Document ID: US 6771067 B2

L32: Entry 8 of 19

File: USPT

Aug 3, 2004

US-PAT-NO: 6771067

DOCUMENT-IDENTIFIER: US 6771067 B2

TITLE: Ghost artifact cancellation using phased array processing

DATE-ISSUED: August 3, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kellman; Peter	Bethesda	MD		
McVeigh; Elliot	Phoenix	MD		

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIG	Draw D
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☐ 9. Document ID: US 6674282 B2

L32: Entry 9 of 19

File: USPT

Jan 6, 2004

US-PAT-NO: 6674282

DOCUMENT-IDENTIFIER: US 6674282 B2

TITLE: Method and apparatus for high resolution ex-situ NMR spectroscopy

DATE-ISSUED: January 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pines; Alexander	Berkeley	CA		
Meriles; Carlos A.	El Cerrito	CA		
Heise; Henrike	Goettingen			DE
Sakellariou; Dimitrios	Oakland	CA		

Moule; Adam

Berkeley

CA

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Drawings
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☐ 10. Document ID: US 6586935 B1

L32: Entry 10 of 19

File: USPT

Jul 1, 2003

US-PAT-NO: 6586935

DOCUMENT-IDENTIFIER: US 6586935 B1

TITLE: Magnetic resonance image artifact correction using navigator echo information

DATE-ISSUED: July 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ma; Jingfei	Waukesha	WI		
Hinks; Richard Scott	Waukesha	WI		
King; Kevin F.	New Berlin	WI		
McKinnon; Graeme C.	Hartland	WI		

US-CL-CURRENT: 324/312; 324/307, 324/309, 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Drawings
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☐ 11. Document ID: US 6535754 B2

L32: Entry 11 of 19

File: USPT

Mar 18, 2003

US-PAT-NO: 6535754

DOCUMENT-IDENTIFIER: US 6535754 B2

TITLE: Lever coil sensor for respiratory and cardiac motion

DATE-ISSUED: March 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fishbein; Kenneth W.	Cockeysville	MD		
Spencer; Richard G. S.	Baltimore	MD		
McConville; Patrick	Perry Hall	MD		

US-CL-CURRENT: 600/422; 600/411, 600/413, 600/414

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Drawings
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☐ 12. Document ID: US 6323646 B1

L32: Entry 12 of 19

File: USPT

Nov 27, 2001

US-PAT-NO: 6323646

DOCUMENT-IDENTIFIER: US 6323646 B1

TITLE: Method and apparatus for producing diffusion weighted MR images

DATE-ISSUED: November 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zhou; Xiaohong	Houston	TX		
Maier; Joseph K.	Milwaukee	WI		
Huff; Steven J.	Hartland	WI		
Reynolds; Hammond Glenn	Milwaukee	WI		

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference		Claims	DOC	Discl
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☐ 13. Document ID: US 6239599 B1

L32: Entry 13 of 19

File: USPT

May 29, 2001

US-PAT-NO: 6239599

DOCUMENT-IDENTIFIER: US 6239599 B1

TITLE: Method and apparatus for identifying errors in magnetic resonance imaging examinations

DATE-ISSUED: May 29, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zhou; Xiaohong	Houston	TX		
Maier; Joseph K.	Milwaukee	WI		
Huff; Steven J.	Hartland	WI		

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference		Claims	DOC	Discl
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☐ 14. Document ID: US 5833609 A

L32: Entry 14 of 19

File: USPT

Nov 10, 1998

US-PAT-NO: 5833609
DOCUMENT-IDENTIFIER: US 5833609 A

TITLE: Rotating diffusion MR imaging reduced motion artifacts

DATE-ISSUED: November 10, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dannels; Wayne R.	Richmond Heights	OH		
Xu; Yansun	Willoughby Hills	OH		
Liu; Haiying	Minneapolis	MN		

US-CL-CURRENT: 600/410; 324/306, 324/309, 600/419

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Keywords	Drawings
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☐ 15. Document ID: US RE35656 E

L32: Entry 15 of 19

File: USPT

Nov 11, 1997

US-PAT-NO: RE35656
DOCUMENT-IDENTIFIER: US RE35656 E

TITLE: Ultra-fast multi-section MRI using gradient and spin echo (GRASE) imaging

DATE-ISSUED: November 11, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Feinberg; David A.	New York	NY		
Oshio; Koichi	Brookline	MA		

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Keywords	Drawings
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☐ 16. Document ID: US 5621321 A

L32: Entry 16 of 19

File: USPT

Apr 15, 1997

US-PAT-NO: 5621321
DOCUMENT-IDENTIFIER: US 5621321 A

TITLE: Magnetic resonance scan calibration method for ultra-fast image acquisition

DATE-ISSUED: April 15, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Liu; Haiying	Euclid	OH
Gullapalli; Rao P.	Richmond Heights	OH
Loncar; Mark J.	Richmond Heights	OH
DeMeester; Gordon D.	Wickliffe	OH

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D.
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☐ 17. Document ID: US 5363042 A

L32: Entry 17 of 19

File: USPT

Nov 8, 1994

US-PAT-NO: 5363042

DOCUMENT-IDENTIFIER: US 5363042 A

TITLE: Methods for measurement of longitudinal spin relaxation times in moving liquids

DATE-ISSUED: November 8, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dumoulin; Charles L.	Ballston Lake	NY		

US-CL-CURRENT: 324/306; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D.
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☐ 18. Document ID: US 5270654 A

L32: Entry 18 of 19

File: USPT

Dec 14, 1993

US-PAT-NO: 5270654

DOCUMENT-IDENTIFIER: US 5270654 A

**** See image for Certificate of Correction ****

TITLE: Ultra-fast multi-section MRI using gradient and spin echo (grase) imaging

DATE-ISSUED: December 14, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Feinberg; David A.	Berkeley	CA	94708	
Oshio; Koichi	Brookline	MA	02146	

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D.
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☐ 19. Document ID: US 4999581 A

L32: Entry 19 of 19

File: USPT

Mar 12, 1991

US-PAT-NO: 4999581

DOCUMENT-IDENTIFIER: US 4999581 A

TITLE: Magnetic resonance imaging system

DATE-ISSUED: March 12, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Satoh; Kozo	Yokohama			JP

US-CL-CURRENT: 324/309; 324/314

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Foot	Draw
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Term	Documents
WITHOUT	6816534
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NO	7723289
NOES	1094
NOS	720862
NOE	8367
OFF	3406748
OFFS	26845
NON	4067741
NONS	478
PHASE	1881773
(L31 AND ((WITHOUT OR "NO" OR "OFF" OR "NON") WITH (PHASE WITH ENCOD\$4))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	19

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